ABSTRACT OF THE DISCLOSURE

A CAD system with a feature selection mechanism for helping the user to specify a particular geometric feature of a three-dimensional object. A two-dimensional drawing generator produces a two-dimensional drawing that represents a given three-dimensional model in two-dimensional form. The produced drawing is displayed on a monitor screen by a two-dimensional drawing display controller. A graphic element selection unit allows the user to specify a particular graphic element being displayed as part of the two-dimensional drawing on the screen. The selected graphic element has been derived from some feature of the three-dimensional model. A three-dimensional feature selection unit identifies that feature and sets it to a selected state for further manipulation. The feature selected in this way is emphasized on the monitor screen.